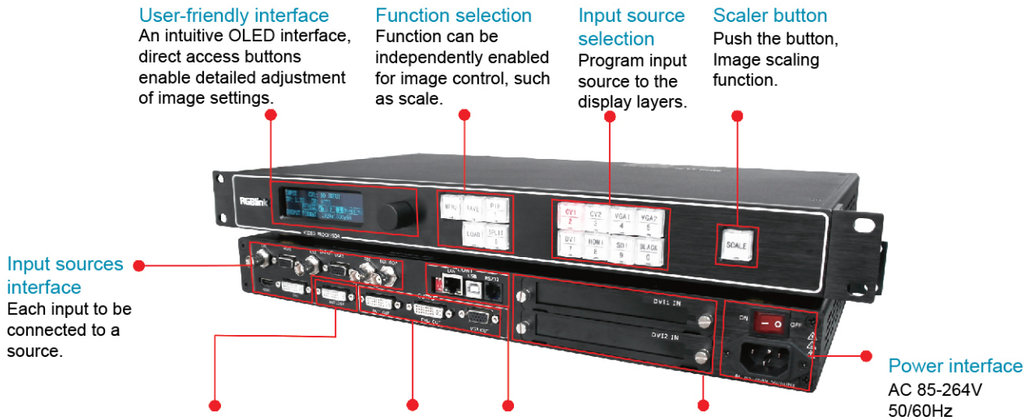


Video input

Signal type / Number

Composite × 2
DVI(Compatible with HDMI 1.3) × 1
HDMI × 1
VGA(Compatible with YPbPr) × 2
SDI(Compatible with SD/HD/3G,option) × 1

Connector

BNC × 2
DVI-I × 1
HDMI-A × 1
DB15 × 2
BNC(Option) × 1

Video processing

Encoder (scan convert output).....10 bit digital

Digital sampling ..... 30 bit;

Colors ..... 1.07 Billion

Video output

Signal type / Number ..... DVI Loop × 1
SDI Loop × 1
DVI × 2
VGA × 1

Impedance ..... 75 ohm

Output resolution
1024 × 768 × 60Hz ~ 2048 × 1152 × 60Hz
2560 × 816 × 60Hz, 2560 x 1152 x 50Hz

Control

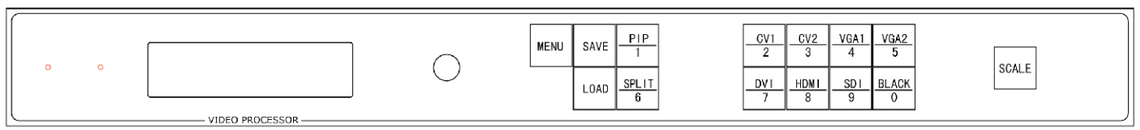
Local front panel operation
Remote ethernet, USB, RS232

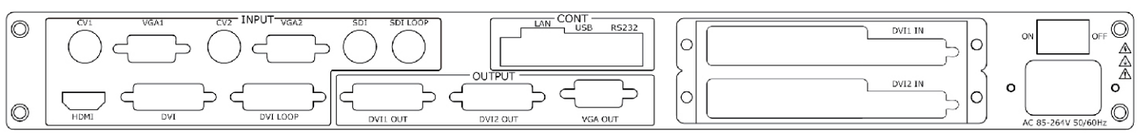
General

Power	85~265V AC 50/60Hz
Enclosure dimensions	480mm×268mm×44mm
Certification	RoHS CE FCC

Order options

VSP 198	Standard version
VSP 198S	3G SDI input module
VSP 198CV	CV2+VGA2 input module
VSP 198CVS	3G SDI+CV2+VGA2 input module





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VSP 198S

Full Digital Cascadable Seamless Switcher Mapping Scaler

VSP 198S is a 7 video and graphic inputs video scan converter and scaler. It can accept all kinds of video signal, including computer video, HDTV and standard definition video. VSP 198S supports seamless switching between the inputs, advanced image resolution conversion technology and video synchronous processing technology during cascade mapping, which meets demand for video mapping presentation with high quality.

VSP 198S contains: 2 analog Composite with PAL and NTSC input standard auto detection; 2 VGA input supporting resolutions from 600 × 480 to 1600 × 1200 and also compatible analog component video input; 1 DVI compatible with HDMI 1.3 for all video inputs up to full HD and the main VESA standards; 1 HDMI 1.3 which is compatible with DVI; 1 SDI input supporting SD/HD/3G with auto detection, which is an optional SDI module could be ordered separately.

VSP 198S supports seamless switching between different inputs, with effects such as fade in fade out and others. VSP 198S supports the Picture in Picture function and it can even support any input to show at the two display windows with different size and position. All the display windows can show any two different inputs, and can show as the same from the same input.

VSP 198S launchs the customized output resolution capacity, user can define the output resolution based on the target display directly. This is a good favour for not standard resolution project such as 720 x 1280, which need the special mapping processor before, but now one VSP 198S is enough.

VSP 198S can be controlled in multi modes including front panel in local mode and RS232, USB, TCP/IP in remote mode, all of which can be in sync. User can realize remote control by Windows Controll Software.

Features

- Max 2560×1152×50Hz / 3840×640×60Hz input / output resolution
- User defined output resolution
- 3G/HD/SD SDI input
- Multiple cascade mapping for resolution higher than 2K
- Pixel based scale
- Seamless switching between inputs
- Auto input format detect and convertion
- TCP/IP, USB, RS 232 remote control
- Picture in picture

Picture in Picture

VSP 198S supports more flexible picture in picture effects. The two display windows can be stack up with overlap in any sequence, for example A over B or B over A, and both of the display windows can come from the same input.

Crop

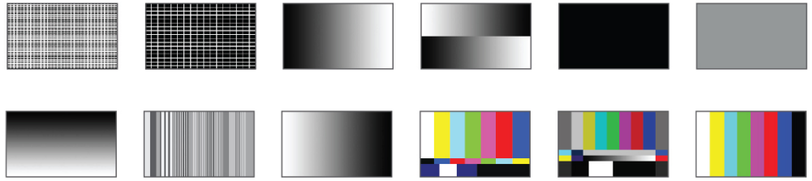
VSP 198S is able to do image crop on any input signal with a maximum 32 times magnifying ability and position adjustment. The main-window and sub-window can be cropped together under PIP effect to meet customers' demand.

Scale

VSP 198S is able to do infinite scale via the menu or the "scale" button and will not crash or shake even at the minimum 1 pixel scaling.

Built-in TP

VSP 198S is built-in with 66 test patterns instead of using the input signals; the TP size is adjustable according to the output resolution to meet customers' demand.



Two sending card slots

VSP 198S has two sending card slots, which can be installed with cards insidedirectly instead of opening the upper plate. It is convenient and portable for customer to fix power and signal cables, which is cost-effective, beautiful, functional and safe.

Key

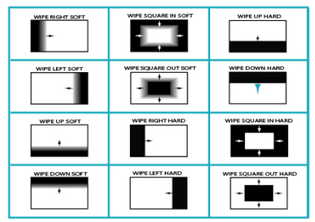
VSP 198S supports Key in and Key out function. Any content of preview display window can be used as key in or key out source of color key and luma key. In programming output window , operator can key in or key out the value based on the requirement. Each key transparency value can be adjusted.

Seamless transition effects

VSP 198S supports seamlessly switching between signals with modes of Take, Fade-in and Fade-out and Effect Switch. It can also set the switching mode and time duration according to the need, in which way various demands of switching can be satisfied.

Fade-in and Fade-out

Effect Switch

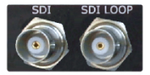


Loop through

VSP 198CVS supports inputs with loop through for multiple cascade mapping, preview or signals usage.

SDI optional input module

VSP 198S SDI optional input module supports 1 x SD/HD/3G-SDI and 1 x SD/HD/3G-SDI loop through to meet customers' demand for SDI signal.



OLED display panel

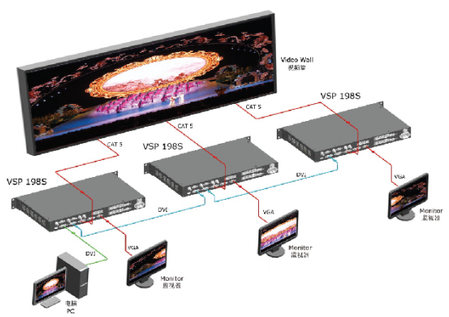
VSP 198S adopts the OLED display panel with bigger size, wider angle of view, higher contrast and adjustable brightness control, which offers a better display quality both in high luminance and low luminance environments.

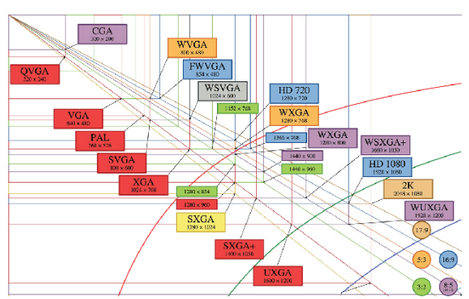
Digital buttons for fast operation

VSP 198S supports pressing front panel digital buttons toset thevalue for functions asScale, Split and Position in aneasier and quicker way.

Multiple cascade

VSP 198S does not support external sync-horizontal signal input, but it can support sync correction by command, so during multiple VSP 198S cascadedmode, each VSP 198S will be set to the same delay, and sync to each other and support a super resolution display or system without sync problem.



More output resolutions

VSP 198S supports more standard output resolutions from 800 x 600 up to 2048 x1152 or 2560 x 816 @60Hz. And customer can customize user-defined output resolution according to LED screenthat is with non-standard size; and customer can achieve full screen display without scale the image, which ensures a better image quality. Empower you most for your customized LED screen design.